



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

| APPLICATION NO.  | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO.           | CONFIRMATION NO.       |
|--|-------------|----------------------|-------------------------------|------------------------|
| 10/750,378   | 12/31/2003  | Nir Kol              | 103580.00024                  | 4888                   |
| 54975  | 7590        | 11/24/2009           |                               |                        |
| HOLLAND & KNIGHT LLP<br>10 ST. JAMES AVENUE<br>BOSTON, MA 02116-3889 |             |                      | EXAMINER<br>NGUYEN, VAN KIM T |                        |
|  |             |                      | ART UNIT<br>2456              | PAPER NUMBER           |
|  |             |                      | MAIL DATE<br>11/24/2009       | DELIVERY MODE<br>PAPER |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

|                              |                                      |                                   |  |
|------------------------------|--------------------------------------|-----------------------------------|--|
| <b>Office Action Summary</b> | <b>Application No.</b><br>10/750,378 | <b>Applicant(s)</b><br>KOL ET AL. |  |
|                              | <b>Examiner</b><br>Van Kim T. Nguyen | <b>Art Unit</b><br>2456           |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 05 November 2009.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-9, 11, 14-17 and 28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-9, 11, 14-17 and 28 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

### **DETAILED ACTION**

1. This Office Action is responsive to communications filed on November 5, 2009.

New claim 28 has been added, thus claims 1-9, 11, 14-17 and 28 are pending in the application.

### ***Continued Examination Under 37 CFR 1.114***

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on November 5, 2009 has been entered.

### ***Response to Arguments***

3. Applicant's arguments with respect to claims 1-9, 11, 14-17 and 28 have been considered but are moot in view of the new grounds of rejection.

Applicant's essentially argued that Eakin does not disclose "base system connectors" as recited in claim 14, or "the databases interact with the source systems through the base system connectors using web services" as recited in claim 15. Examiner respectfully disagrees.

As shown in Figures 1-2, Eakin teaches base system connectors (122, 124 of Figure 1; and 214, 216, 218, 219 of Figure 2), through which databases (126) interact with the source system (128) using web services (¶¶[0030, 0036, 0040-0041]).

***Specification***

4. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required:

Claims 1-9, 11, 14-17 and 28 recite the limitation “a computer readable medium” in line 1, but the specification fails to provide proper antecedent basis for this claimed subject matter.

***Claim Rejections - 35 USC § 101***

5. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

6. Claims 1-9, 11, 14-17 and 28 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Claim 1 recites the limitation “a computer readable medium” in line 1. In view of Applicant’s disclosure, “The components of the system can be interconnected by any form or medium of digital data communication, ...”, specification page 15. As such, the claims can be broadly interpreted as embodying both tangible embodiments (e.g., storage medium) and intangible embodiments (e.g., transmission medium), and thus non-statutory.

***Claim Rejections - 35 USC § 103***

7. Claims 1-2, 5-7, 9, 11, 14-16 and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Eakin (US 2004/0167896), in view of “Encapsulated PostScript File Format Specification”, Version 3.0, published on May 1, 1992 by Adobe Systems Incorporated

Art Unit: 2456

(hereinafter ASI), further in view of Mukundan et al (US 6,901,595), and further in view of Kim et al (US 2002/0065701).

Regarding claim 1, Eakin discloses computer program residing on a computer readable medium having a plurality of instructions, which, when executed by a processor, cause the processor to perform operations comprising:

connecting a portal to one or more user interface (UI) components (connecting content portal 134 to interface 410 and digital assets 110; Figures 1 and 4, ¶¶[0056-0057]);

linking the one or more UI components to a repository layer (120) including databases (126) and connectivity layer through an object access layer, the repository layer including metadata (linking digital assets 110 to repository layer 120 and application 130, Figures 1-4, ¶¶[0035-0037 and 0049-0055]); and

linking the repository layer (120) and the connectivity layer (130) to source system (linking repository layer 120 and application 130 to metadata store 128; Figures 1-4, ¶¶[0035-0036]), the databases (126) of the repository layer (120) configured to interact with the source systems(128) through base system connectors (122, 124 of Figure 1; and 214, 216, 218, 219 of Figure 2).

Eakin also discloses an option value for encoding HTML commands including Adobe Acrobat Reader which is a well known postscript interface. However, Eakin does not disclose the base system connectors including an encapsulated postscript interface.

Adobe System Incorporated discloses the encapsulated Postscript File (ESP) format is a standard format for importing and exporting PostScript language files among applications in a variety of heterogeneous environments (page 5); the PostScript language can be used to import

Art Unit: 2456

and preview EPS files (page 6), and Windows Metafiles can be included as the screen presentation of an ESP file (page 23).

Thus it would have been obvious to one of ordinary skill in the art at the time the invention was made to include an encapsulated postscript interface in Eakin's base system connectors in order to allow a simple preview of the final output in any application on screen.

Eakin-ASI does not explicitly disclose assessing a database that includes data representing multiple enterprise functions, wherein the data representing multiple enterprise functions includes personal tasks and resources for users; and using one or more object modeling tools, one or more process modeling tool, and the one or more UI component to build components of cross-functional applications from the data representing multiple enterprise functions, wherein the cross-functional applications include pages that display the personal tasks and resources for users.

Mukundan teaches:

assessing a database that includes data representing multiple enterprise functions, wherein the data representing multiple enterprise functions includes personal tasks and resources for users (col. 5: lines 32-66, and col. 8: lines 19-38); and

using one or more object modeling tools, one or more process modeling tool, and the one or more UI component to build components of cross-functional applications from the data representing multiple enterprise functions, wherein the cross-functional applications include pages that display the personal tasks and resources for users (integration services may be designed and configured to provide client with user interface and thin client support, e.g.,

Art Unit: 2456

exemplary object 605 including CSSWEView 506, CSSWEApplet 508, CSSBusComp 510, CSSBusObj 510, etc. ; Figures 4-5A, col. 8: line 39 – col. 10: line 35).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine Mukundan and Eakin-ASI, motivated by the need to provide access throughout an enterprise to facilitate process improvement effort.

Eakin-ASI-Mukundan does not explicitly call for the metadata pertaining to roles, worksets and personalization information, the metadata configured to interact with at least one template, the at least one template providing a format of information according to preset conditions, the at least one template configured to interact with web application server (WAS) processes and core restructuring processes.

Kim teaches the metadata pertaining to roles, worksets and personalization information (property data represents information on the properties of the business process model, which includes roles, worksets and personalization information; Figures 14-15, ¶¶[0040-0043 and 0179-0181]), the business process and model configured to interact with at least one template, the at least one template providing a format of information according to preset conditions (¶¶[0046-0056 and 0071-0082]), the at least one template configured to interact with web application server (WAS) processes and core restructuring processes (¶¶[0077-0082]).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine Kim's method for automating business processes in Eakin-ASI-Mukundan's system, motivated by the need to provide a system and method that can be easily be modified without any major overhaul of the system.

Art Unit: 2456

Regarding claim 2, Eakin-ASI-Mukundan-Kim also discloses input/output (I/O) devices linked to the portal (portal 134 includes interface 410, used to communicate with digital assets providers, reviewers, publishers, and/or consumers; Eakin, Figures 1 and 4, ¶[0057]).

Regarding claims 5-6, Eakin-ASI-Mukundan-Kim also discloses the portal is a common interface that receives requests from clients and generates information views (iViews) in response (Eakin; Figures 6-10, ¶¶[0072, 0075, 0080, 0085, and 0087]).

Regarding claim 7, Eakin-ASI-Mukundan-Kim also discloses the UI component comprises application navigation components; application integration components; and information views (Eakin; Figures 6-10).

Regarding claim 9, Eakin-ASI-Mukundan-Kim also discloses the repository layer comprises a data object model; and databases of the repository layer including metadata and data, the data including templates (Eakin; Figure 1, ¶¶[0036-0037 and 0054-0055]).

Regarding claim 11, Eakin-ASI-Mukundan-Kim also discloses the metadata interacts with the object access layer, the connectivity layer and the application logic (Eakin; Figures 1 and 4, ¶¶[0035-0036]).



Art Unit: 2456

Regarding claim 14, Eakin-ASI-Mukundan-Kim also discloses the databases (126) interact with the source systems through base systems connectors (Figure 1: 122, 124; Figure 2: 214, 216, 218, 219) using a markup language (HTML; Eakin, ¶¶[0030, 0036, 0040-0041]).

Regarding claim 15, Eakin-ASI-Mukundan-Kim also discloses the databases (126) interact with the source systems (128) through base systems connectors (Figure 1: 122, 124; Figure 2: 214, 216, 218, 219) using web services (Eakin; ¶¶[0030, 0036, 0040-0041]).

Regarding claim 16, Eakin-ASI-Mukundan-Kim also discloses the databases interact with the source systems through base systems connectors using TCP/IP (though Eakin-Mukundan does not explicitly call for using TCP/IP, but since TCP/IP is widely used by the Internet, making it the de facto standard for transmitting data over networks, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use TCP/IP for interacting between the databases and the source system).

Regarding claim 28, Eakin-ASI-Mukundan-Kim also discloses the base system connectors further include an enterprise connector interface (122, 124 of Figure 1; and 214, 216, 218, 219 of Figure 2).

8. Claims 3-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Eakin-ASI-Mukundan-Kim as applied to claim 1 above, in view of WAP Forum, "Wireless Application Protocol White Paper", June 2000.

Art Unit: 2456

Regarding claim 3, Eakin-ASI-Mukundan-Kim does not explicitly call for the I/O devices are web devices that communicate with the portal using Wireless Application Protocol and Wireless Markup Language (WML).

WAP Forum teaches WML as a markup language for WAP technology, adhering to XML standards (page 10). Thus it would have been obvious for one of ordinary skill in the art at the time the invention was made the I/O web devices are configured to communicate with the portal using WAP and WML in order to comply with the industry standards.

Regarding claim 4, Eakin-ASI-Mukundan-Kim-WAP Forum also discloses the I/O devices are Internet browsers that communicate with the portal using HTTP and XML (Eakin; ¶¶[0043-0044], and WAP Forum, page 14).

9. Claims 8 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Eakin-ASI-Mukundan-Kim, in view of Bazinet et al (US 7,260,617), hereinafter Bazinet.

Eakin-ASI-Mukundan discloses substantially all the claimed limitations, except the client requests are coupled to the portal by a proxy server, or source systems communicate with each other through a firewall.

Bazinet teaches insulating the portal server via firewalls, proxy servers, etc. (col. 3: lines 58-61).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to couple the portal by a proxy server or allow network communications only through a firewall in order to improve network security.

Art Unit: 2456

***Conclusion***

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Van Kim T. Nguyen whose telephone number is 571-272-3073. The examiner can normally be reached on 8:00 AM - 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bunjob Jaroenchonwanit can be reached on 571-272-3913. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Van Kim T. Nguyen  
Examiner  
Art Unit 2456

vkkn

/Bunjob Jaroenchonwanit/

Supervisory Patent Examiner, Art Unit 2456